

A circular black ink stamp from the Intellectual Property Office (IPO). The text "IPO" is at the top, "JCI13" is at the top right, "MAR 31 2004" is in the center, and "PATENT & TRADEMARK OFFICE" is at the bottom.

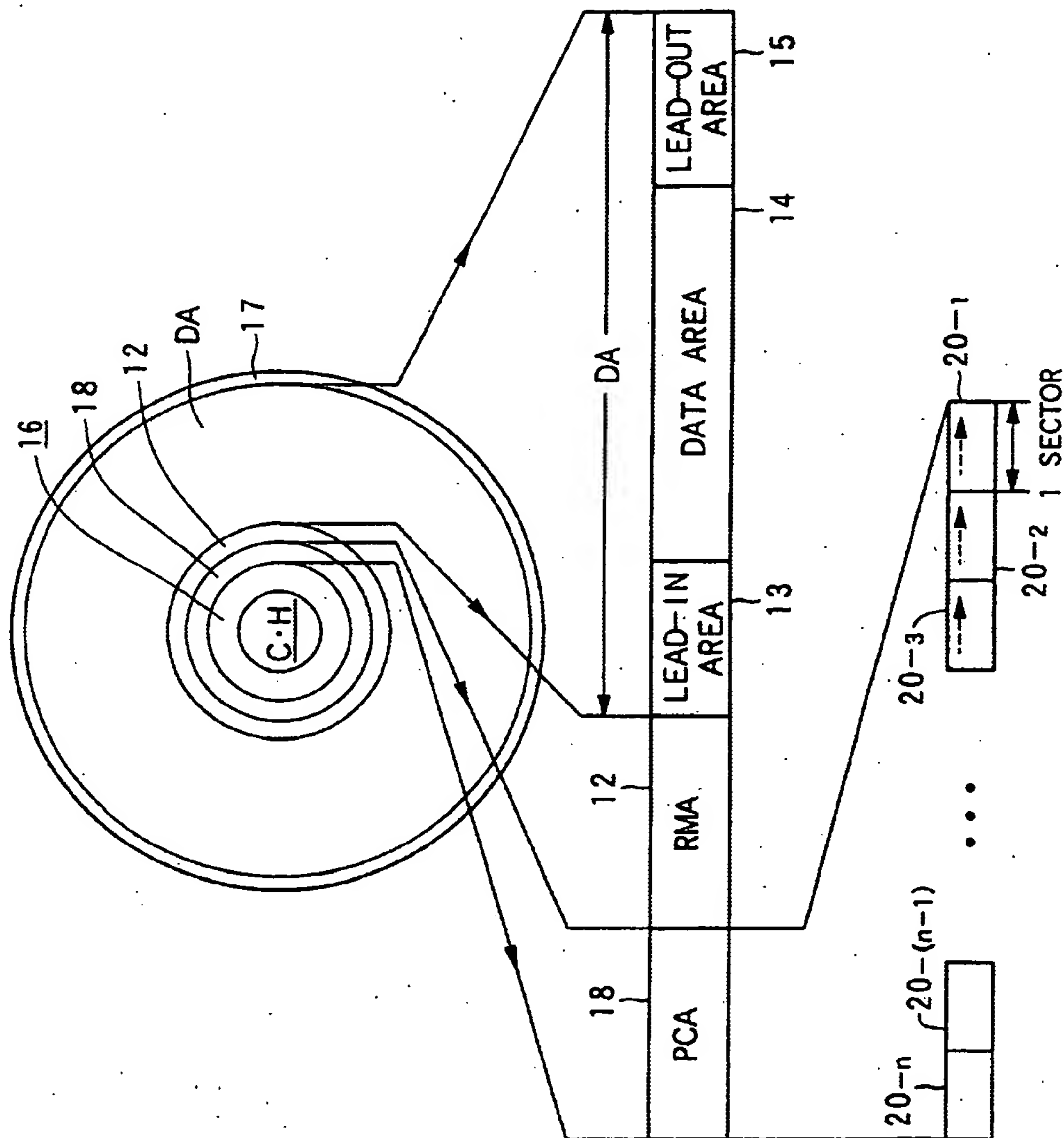
The diagram illustrates the architecture of a DVD-R recording system. The components and their interconnections are as follows:

- 1: DVD-R**: The optical disc being recorded.
- 2: PICKUP**: Receives a signal S_d and outputs S_r to the **CONTROL SECTION**.
- 3: RF DETECTING SECTION**: Receives S_r and outputs S_{rf} to the **PEAK DETECTING SECTION** and **BOTTOM DETECTING SECTION**.
- 4: CONTROL SECTION**: Receives S_r and outputs S_{rr} to the **RECORDING PATTERN GENERATING SECTION** and S_{sp} to the **RECORDING SETTING SECTION**.
- 5: TIMING CREATING SECTION**: Receives S_{sp} and outputs S_{sc} to the **RECORDING PATTERN GENERATING SECTION** and S_{ss} to the **RECORDING SETTING SECTION**.
- 6: RECORDING SETTING SECTION**: Receives S_{sc} and outputs S_{spc} to the **DRIVING SECTION**.
- 7: RECORDING PATTERN GENERATING SECTION**: Receives S_{rr} and S_{sc} , and outputs S_{pt} to the **RECORDING WAVEFORM CREATING SECTION**.
- 8: RECORDING WAVEFORM CREATING SECTION**: Receives S_{pt} and outputs S_{sr} to the **DRIVING SECTION**.
- 9: DRIVING SECTION**: Receives S_{sr} and S_{spc} , and outputs S_{dd} to the **DRIVER**.
- 10: DRIVER**: Receives S_{dd} and outputs S_d to the **PICKUP**.
- 11: PRE-FORMAT DETECTING SECTION**: Receives S_{sp} and outputs S_{ss} to the **RECORDING SETTING SECTION**.
- 21: PEAK DETECTING SECTION**: Receives S_{rf} and outputs S_{cd} to the **CONTROL SECTION**.
- 22: BOTTOM DETECTING SECTION**: Receives S_{rf} and outputs S_{bl} to the **CONTROL SECTION**.
- 23: PEAK DETECTING SECTION**: Receives S_{rf} and outputs S_{pl} to the **CONTROL SECTION**.
- 24: BOTTOM DETECTING SECTION**: Receives S_{rf} and outputs S_{bl} to the **CONTROL SECTION**.



REPLACEMENT
SHEET

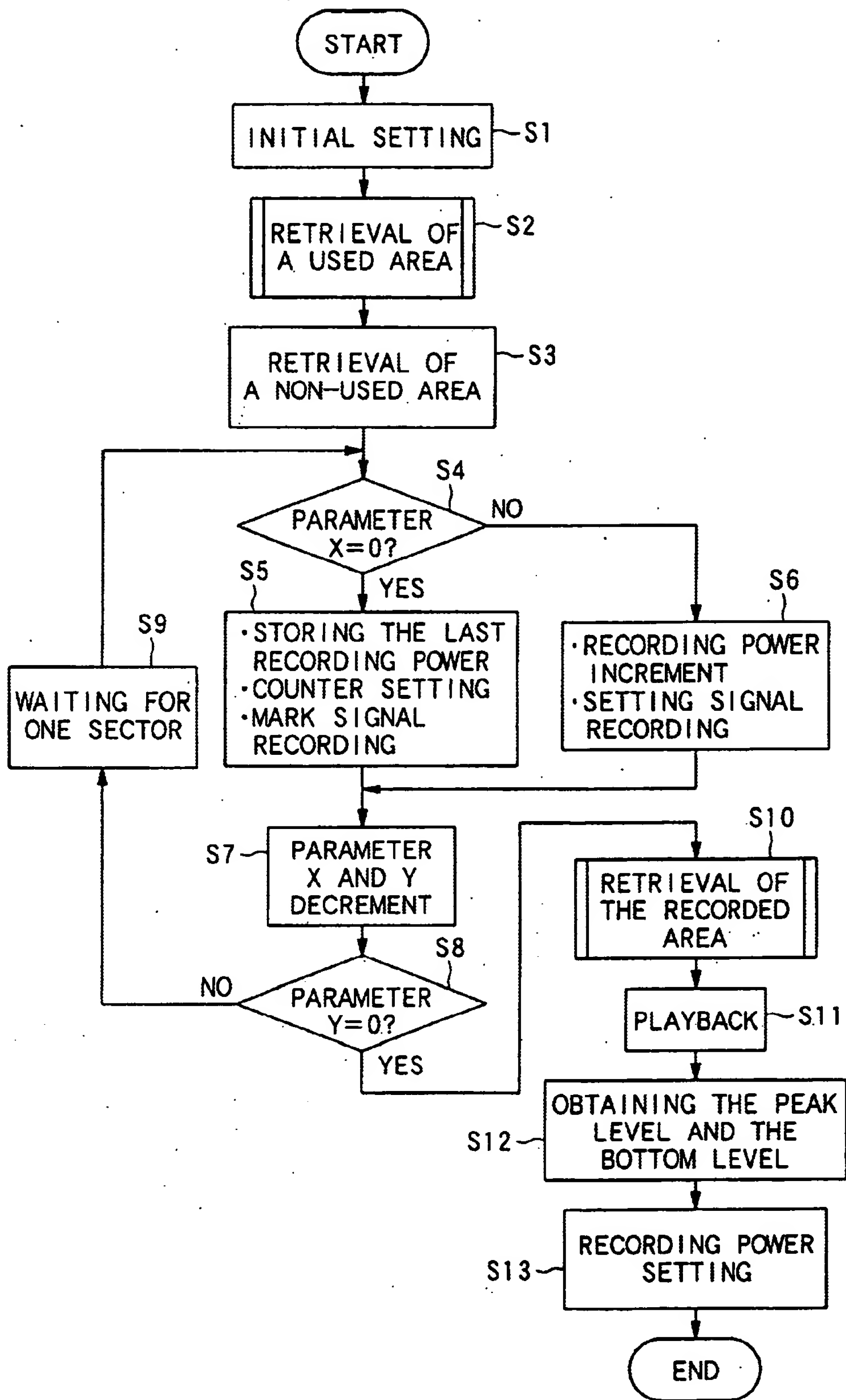
FIG. 2





REPLACEMENT
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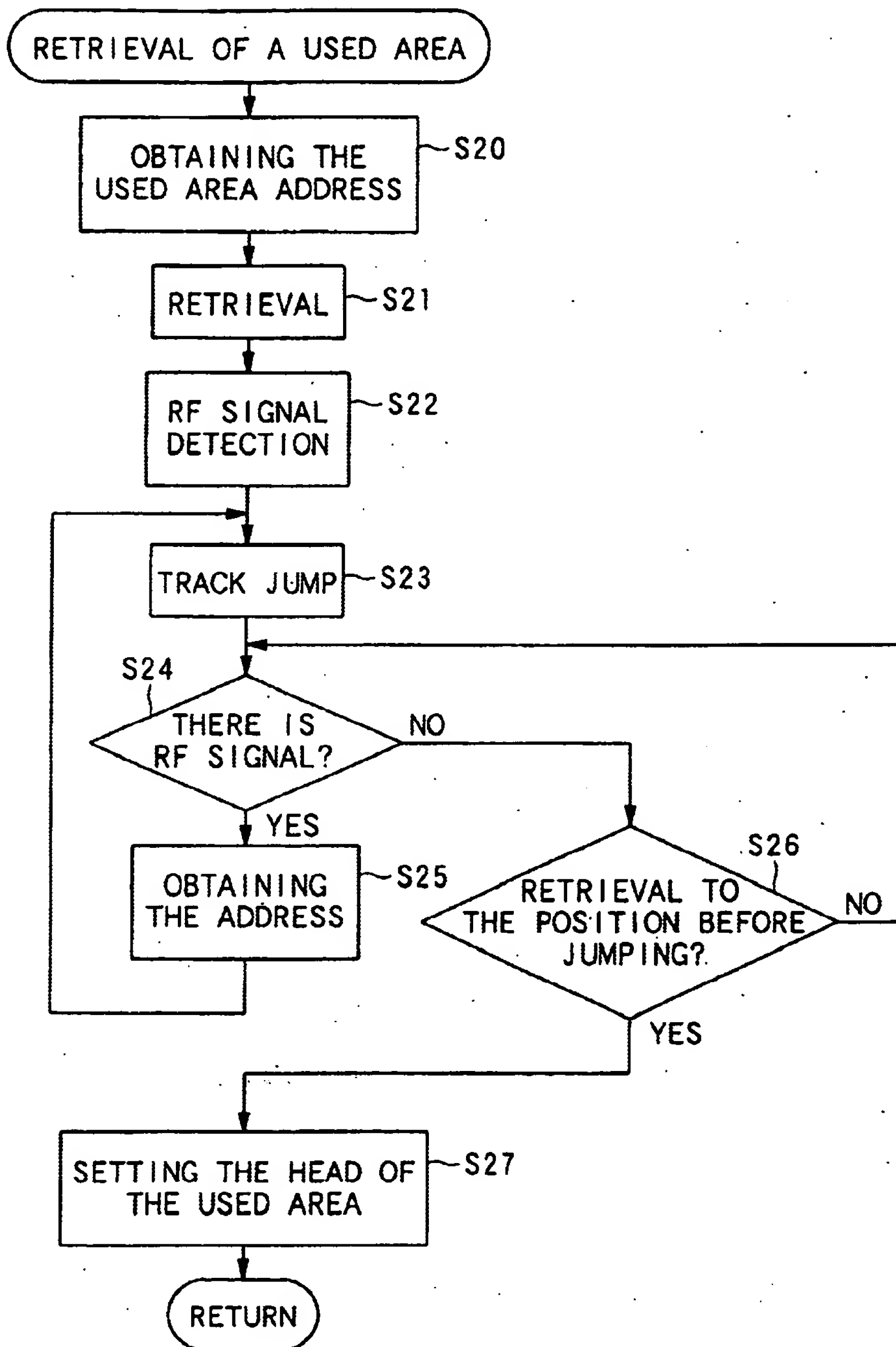
FIG. 3





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FIG. 4





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FIG. 5

